



AUG 25 2003

PATENT AF/2200
TYCO 17689

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hempel, et al. : Art Unit: 2817
Serial No.: 10/067,435 : Examiner: Jones, Stephen E.
Filed: February 24, 2002 :
For: COMPACT MULTI-ELEMENT :
CASCADE CIRCULATOR :
:

Commissioner for Patents
Mail Stop AF
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

1. Transmitted herewith is:
Amendment (8 pgs.), in response to Office Action dated June 30, 2003
Amendment Transmittal Form (3 pgs.), in duplicate

STATUS

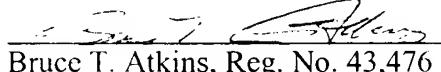
2. Applicant
 claims small entity status.
 is other than a small entity.

CERTIFICATE OF MAILING BY EXPRESS MAIL TO
THE COMMISSIONER FOR PATENTS

Express Mail No. EV299865252US

Date: August 22, 2003

I hereby certify that the documents listed above are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above in an envelope addressed to Commissioner for Patents, Mail Stop AF, P.O. Box 1450, Alexandria, VA 22313-1450.


Bruce T. Atkins, Reg. No. 43,476

EXTENSION OF TERM

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply.

(complete (a) or (b), as applicable)

(a) Applicant petitions for an extension of time under 37 C.F.R. 1.136
(Fees: 37 C.F.R. 1.17(a)-(d) for the total number of months checked below:)

Extension for response within:	Other than small entity Fee	Small entity Fee (if applicable)
<input type="checkbox"/> first month	\$ 110.00	\$ 55.00
<input type="checkbox"/> second month	\$ 410.00	\$ 205.00
<input type="checkbox"/> third month	\$ 930.00	\$ 465.00
<input type="checkbox"/> fourth month	\$1,450.00	\$ 725.00
<input type="checkbox"/> fifth month	\$1,970.00	\$ 985.00

Fee Due \$ _____

If an additional extension of time is required, please consider this a petition therefor.

(Check and complete the next item, if applicable)

An extension of _____ months has already been secured. The fee paid therefor \$ _____ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ _____.

OR

(b) Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

FEE FOR CLAIMS

4. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

(Col. 1)	(Col. 2)	(Col. 3)	SMALL ENTITY	OTHER THAN SMALL ENTITY
CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	ADDITIONAL RATE FEE	ADDITIONAL RATE FEE
TOTAL INDEP.	MINUS	=	x \$9 = \$	x \$18 = \$
	MINUS	=	x \$42 = \$	x \$84 = \$
			+ \$140 = \$	+ \$280 = \$
			TOTAL ADDITIONAL FEE \$	TOTAL ADDITIONAL FEE \$

FIRST PRESENTATION OF MULTIPLE DEP. CLAIM

(a) No additional fee for Claims is required

OR

(b) Total additional fee for claims required \$ _____

FEE PAYMENT

5. _____ Attached is a check in the sum of \$ _____

Charge Deposit Account No. 01-2384 the sum of \$ _____.
A duplicate of this transmittal is attached.

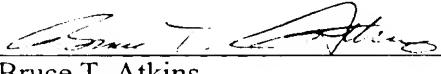
FEE DEFICIENCY

6. If any additional extension and/or fee is required, charge Deposit Account No. 01-2384.

AND/OR

If any additional fee for claims is required, charge Deposit Account No. 01-2384.

7. Other:


 Bruce T. Atkins
 Reg. No. 43,476
 ARMSTRONG TEASDALE LLP
 One Metropolitan Square, Suite 2600
 St. Louis, MO 63102
 314/621-5070

Express Mail Label No. EV299865252US

TYCO 17689
PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hempel et al. : Art Unit: 2817
Serial No.: 10/067,435 : Examiner: Jones, Stephen E.
Filed: February 4, 2002 :
For: COMPACT MULTI-ELEMENT :
CASCADE CIRCULATOR

AMENDMENT AFTER FINAL OFFICE ACTION

(37 C.F.R. § 1.116)

Commissioner for Patents
Mail Stop AF
P.O. Box 1450
Alexandria, VA 22313-1450

In response to the Office Action dated June 30, 2003 and made final, Applicants hereby submit the following amendment in an attempt to place the case in condition for allowance.